

STEREO MOC Status Report
Time Period: 2009:061 - 2009:067

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 061, during the DSS 54 track, monitor data was lost starting at 0455Z. The DSN data controller restored the monitor data connection 15 minutes later. See DR# N105186 for more information.
- On days 062 and 063, the DSS 26 and 24 tracks were shortened to 3.8 and 3 hours respectively, vice the nominal 5 hours, due to an unexpected DSS 25 downtime.
- On day 066, the DSS 45 track was reduced to 2.6 hours in support of the Kepler mission launch. This resulted in the loss of several hours of SSR data for the IMPACT and PLASTIC instruments.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Ahead was 5.1 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 061, during the DSS 65 track, telemetry lock was briefly lost starting at 1944Z. This resulted in the loss of IMPACT SSR data. A DR has been requested.
- On day 066, during the DSS 15 track, the transmitter tripped off-line starting at 2350Z. After the track has completed, a cooling equipment circuit breaker was reset at the station to correct the anomaly. This resulted in the loss of 295 minutes of commanding and tracking data. All SSR data was recovered. See DR# G109292 for more information.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 065, the SECCHI instrument reset at 02:27:24Z. The SECCHI team reconfigured the instrument to operational mode at 065:19:40Z. This was the 7th reset of SECCHI on the Behind spacecraft.
- IMU2 continues to be used as the G&C gyro sensor. While IMU1 is nominal, IMU2 is being used to characterize its performance.
- The average daily SSR playback volume for Behind was 6.6 Gbits during this week.